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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/683,662	01/31/2002	Uwe Hansmann	DE920000079US1	1472
7590 08/19/2005			EXAMINER	
LAWRENCE HARBIN 500 9TH STREET, S.E. WASHINGTON,, DC 20003			DEBERADINIS, ROBERT L	
			ART UNIT	PAPER NUMBER
			2836	
DATE MAILED: 08/19/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/683,662

Applicant(s)

HANSMANN ET AL.

Examiner

Robert DeBeradinis

Art Unit

2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 June 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 4-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 4-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 April 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The reply filed 6/01/05 consists of an after final amendment amending figure 1 to include the prior art label and remarks related to rejection of claims.

Response to Arguments

The filing date of the DENSHAM is nine months after the Applicant's application filing date. The Examiner withdraws the DENSHAM reference and applies the POTEGA reference in place of the DENSHAM reference.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 4-7, 12, 13, 16, 18, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over HART 6,549,968 in view of POTEGA 6,459,175.

Regarding claims 1, 12, 16, 18, 19.

HART discloses a mobile data processing device (notebook computer).

HART does not disclose an internal power supply, a port for connecting an external power supply to the internal power supply, a power server that obtains power from internal power supply in order to provide at least one additional reference voltage,

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and a further port for supplying said at least one reference voltage to at least one other independent mobile data processing device requiring said reference voltage.

PATEGA teaches a power supply may provide power to a plurality of devices and may be used with other power sources to form a power grid.

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the battery power source, obviously part of the note notebook computer, to have the power management topology disclosed by PATEGA. The motivation would be to provide a portable device that includes one or more batteries and one or more active systems coupled to an ac/dc adapter to deliver controlled power to both the batteries and power any systems coupled thereto (FIG 10. Col.50, lines 24-27).

Regarding claim 4.

HART in view of POTEKA disclose the mobile data processing device according to claim 1.

POTEKA discloses a power management topology wherein the power server comprises an input with power of a certain voltage from said internal power supply, one voltage regulator circuit to meet for generating said reference voltage and an output for providing said reference voltage to an assigned power receiving device (portable device) of said at least one other independent mobile data processing device (FIGURE 10).

Regarding claim 5.

HART in view of POTEGA disclose the mobile data processing device according to claim 4.

POTEGA teaches a topology including a power subsystem and battery charge and wherein said power server further comprises an input for receiving power from said power subsystem and battery charger and a switch (obviously part of the controlled adapter) for controlling supply of said power to said assigned power receiving device (FIGURE 10).

Regarding claims 6, 13.

HART in view of POTEGA disclose the mobile data processing device according to claim 5.

POTEGA teaches, error signals generated by error amplifiers are received by controller to regulate dc source voltages (COL.68, LINES 56-67), the controller having obviously reference voltages to determine the desired voltage level to regulate, and obviously would require a voltage selection circuit for choosing a device specific reference voltage for powering said assigned power receiving device.

Regarding claim 7.

HART in view of POTEGA disclose the mobile data processing device according to claim 6.

POTEGA discloses wherein said voltage generator supports several independent voltage regulator circuits concurrently (figure 10, CONVERTERS 1, 2).

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Claims 8-11, 14, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over HART 6,549,968 in view of POTEGA 6,459,175 in further view of LAHOUD 6,266,220.

Regarding claims 8, 9, 14, 15, 17.

HART in view of POTEGA disclose the mobile data processing device according to claim 7.

HART in view POTEGA does not disclose wherein said power server further comprises a protection circuit for protection of said power server against high voltages.

LAHOUD discloses a power protection device that prevents the flow of power to an electronic component in response to an over-voltage or under-voltage signal condition.

It would have been obvious to one having ordinary skill in the art at the time of this invention to modify the power topology to include protection device. The motivation would be to protect the mobile device from over voltage.

Regarding claims 10, 11.

HART in view of POTEGA in further view of LAHOUD disclose the mobile data processing device according to claim 9.

HART discloses power management topology for a portable electronic device comprising a rechargeable battery and a charge controller comprising circuitry generating feedback signal indicative of battery voltage (paragraph 0017), notebook, mobile phone, personal assistant are all portable electronic devices.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

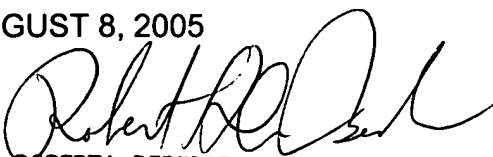
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (703) 872-9306.

RLD

AUGUST 8, 2005


ROBERT L. DEBERADINIS
PRIMARY EXAMINER